

SHIRINOV, F.A.; BAZHENOV, Yu.P.; ALI-ZADE, A.A., akademik, red.;
MIRKISHIYEVA, S., tekhn. red.

[Geology of the piedmont of the southern slope of the
Greater Caucasus; Adzhinour and the Lengebiz-
Gyurzhivanskaya Ridge] Geologicheskoe stroenie predgorii
iuzhnogo sklona Bol'shogo Kavkaza; Adzhinour i Lengebiz-
Giurdzhivanskaiia griada. Red. A.A. Ali-Zade. Baku,
Azerbaidzhanskoe gos. izd-vo, 1962. 193 p. (MIRA 16:5)
(Caucasus--Geology)

MIRZINOV, F. B., (Postgraduate Student, Azerbaijan NIVI) and SAVINOV M. I.

Infectious conjunctivitis in chickens

Veterinariya vol. 38, no. 9, September 1961, pp. 44.

GADZHIYEV, B.; SHIRINOV, I.; RAGIMOV, G.; RAFAEL', I.

Pre-October pledge of the petroleum workers of the Neftyanyye Kamni field. Neftianik 7 no.11:9 N '62. (MIRA 16:6)

1. Nachal'nik neftepromyslovogo upravleniya im. XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Gadzhiev). 2. Zamestitel' sekretarya komiteta Leninskogo Kommunisticheskogo soyuza molodeschi neftepromyslovogo upravleniya imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Rafael'). 3. Neftepromyslovoye upravleniye imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza, Neftyanyye Kamni (for Shirinov, Ragimov).
(Neftyanyye Kamni region—~~oil well drilling,~~
~~Submarine~~)

L 32101-66 EWT(m)/EWP(j)/T RM/EM/DJ

ACC NR. AP6010663

(A)

SOURCE CODE: UR/0152/65/000/010/0075/0078

AUTHOR: Shirinov, Kh. D.

ORG: Azerbaydzhan Petroleum and Chemistry Institute im. M. Azizbekov (Azerbaydzhan-skiy institut nefti i khimii)

TITLE: Effect of polyisobutylene on the viscosity of lubricating oils under pressure

SOURCE: IVUZ. Neft' i gaz, no. 10, 1965, 75-78

TOPIC TAGS: polyisobutylene, lubricant viscosity, lubricating oil, transformer oil, pressure effect

ABSTRACT: The effect of pressure (up to 2000 kg/cm²) on the influence exerted by polyisobutylene on the viscosity of transformer oil was studied at several temperatures (up to 40°C). The transformer oil was thickened with polyisobutylene so that the viscosity of the oil was brought up to 1.333 poise at 20°C. The measurements were made by the falling sphere method with the aid of a viscometer constructed by the author, the design of which is described. For comparison, industrial oil with a viscosity of 0.95166 poises was studied at the same temperature. The variation of the viscosity with pressure is shown in Fig. 1 (industrial oil) and Fig. 2 (thickened oil), where curves 1, 2, 3, 4, and 5 correspond to 23, 27, 30, 35, and 40°C respectively. Analysis of the dependence of η on P shows the presence of an exponential relationship which is satisfactorily described by the formula $\eta = \eta_0 e^{B/P}$, where η_0 is the viscosity at $P = 0$ and B is a coefficient dependent on the nature of the oil and the

Card 1/2 UDC: 665.82:532.13.001.5

L 39101-66

ACC NR: AP6010663

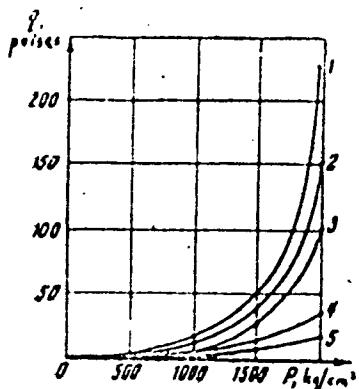


Fig. 1

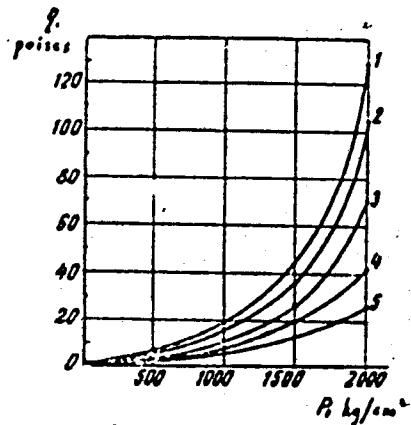


Fig. 2

temperature. It is concluded that if the increase in oil viscosity under pressure is due to a change in the structure of the hydrocarbons comprising the oil composition, the presence of isobutylene in the oil base exerts a certain inhibitory influence on the change in the structure of these molecules. Orig. art. has: 2 figures.

SUB CODE: 11/ SUBM DATE: 16Feb65/ ORIG REF: 002

Card 2/21111

SHIRTOV, K. F.

"Approximate Methods of Solving Some Spatial Problems in the Theory of Filtration." Cani Phys-Math Sci, Moscow Order of Lenin State U imeni M. V. Lomonosov, Moscow, 1955. (KL, No 18, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

SOV/124-58-10-11322

Translation from Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 89 (USSR)

AUTHOR Shirinov, K.F.

TITLE Methods for Approximate Solution of a Three-dimensional Problem
of the Theory of Seepage (Priblizhennyye metody resheniya odnoy
prostranstvennoy zadachi teorii fil'tratsii) in Azerbaijani

PERIODICAL Uch. zap. Azerb. un-t. 1957, Nr 5, pp 21-33

ABSTRACT The author proposes a method which permits determination of approximately the flow of a liquid into a well which does not completely penetrate the aquifer and which does not have any bottom inflow. According to the principle underlying this method, the potential or its gradient in an area on the side of the well where the magnitude of this factor is given, is approximated by trigonometric or algebraic polynomial expressions; thus, a special boundary-value problem is broken down into simpler boundary-value problems of the Dirichlet-Neumann type. The indeterminate coefficients of the approximating polynomials are found by considering certain integral functions of the potential or its gradient in an area of the well where these values are known. The potential along the entire wall is expanded according

Card 1/2

Methods for Approximate Solution of a Three-dimensional Problem (cont.) SOV/124-58-10-11322

to a Fourier series, with coefficients expressed in terms of the indeterminate coefficients of the approximating polynomial. A general solution of the problem, taking into consideration the boundary conditions existing on the top, the base, and the exterior contour of the aquifer, is expressed as a Fourier-Bessel series. The coefficients of this series are expressed in terms of the coefficients of the approximating polynomials by means of correlating this series with the Fourier series of the potential at the walls of the well. Expressions for the additional dimensionless flow resistance of a well of the type described are derived by means of a trinomial trigonometric approximation of the potential in one instance, and a trinomial algebraic approximation of the potential gradient in another. The results obtained in computing this magnitude are compared with data yielded by calculations based on the formulae of Muskat and Charnyy. The results of computation of potential at the side of the well are shown. A comparison of these results with the magnitude (as given) of the potential on the portion of the well within the reservoir attests to the efficiency of the method described. Bibliography: 10 references.

A. L. Kheyn

Card 2/2

AKADEMIYA NAUK ASTRAKHAANSKOGO RAN

Tesisy dokladov Sovetskogo po vychislitel'noy matematike i primeneniyu
sredstv vychislitel'noy tekhniki (Outlines of Reports of the Conference On
Computational Mathematics and the Use of Computer Techniques) Bal'm, 1978.
63 p. 400 copies print-4.

Additional Sponsoring Agencies: Akademiya nauk SSSR. Vychislitel'nyy teatr,
and Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

No contributors mentioned.

PURPOSE: This book is intended for pure and applied mathematicians, scientists,
engineers and scientific workers, whose work involves computation and the use
of digital and analog electronic computers.

COVERAGE: This book contains summaries of reports made at the Conference on
Computational Mathematics and the Application of Computer Techniques.

The book is divided into two main parts. The first part is devoted to
computational mathematics and contains 19 summaries of reports. The second
section is devoted to computing techniques and contains 20 summaries of
reports. No personalities are mentioned. No references are given.

Podderyugin, V.D. Programming Arithmetic Operators in a Computer Programming Routine for the "Strela"	17
Tairov, N.A. Construction of Bearing Blocks in a Hydrogenerator and Calculating Pressures on Them	18
Kurochkin, V.M. Use of a Subroutine in a Computer Programming Routine for the "Strela" (PPD)	19
Tershov, A.P. On One Method of Programming Arithmetic Operators	20
Shirinov, K.P. On One Problem of the Theory of Filtration	22
Panayoti, B.S. Approximate Solution of a System of Equations Found in the Theory of Automatic Control	23
Dubois-Levi, G.Ye. Standardization and Mechanization of the Design of Alignment Homograms	24

Card 4/7

DORODNITSYN, A.A., red.; ALESKEROV, S.A., red.; SHIRINOV, k.f., red;
TIL'MAN, A., red. ISMAILOV, T., tekhn. red.

[Transactions of the All-Union Conference on Computer Mathematics
and the Use of Computer Equipment] Trudy Vsesoiuznogo soveshchaniia
po vychislitel'noi matematike i primeneniiu sredstv vychislitel'noi
tekhniki, 1958. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1961.
119 p. (MIRA 14:9)

1. Vsesoyuznoye soveshchaniye po vychislitel'noy matematike i pri-
meneniyu sredstv vychislitel'noy tekhniki, 1958.

(Electronic calculating machines—Congresses)

S.1125

32891

S/044/61/000/012/047/054
C111/C222AUTHOR: Shirinov, K. F.

TITLE: On a problem of filtration theory

PERIODICAL: Referativnyy zhurnal. Matematika, no. 12, 1961, 46,
abstract 12V276. ("Tr. Vses. soveshchaniya po vychisl.
matem. i primeneniyu sredstv vychisl. tekhn.", Baku,
AN Azerb SSR 1961, 110-116)

TEXT: Considered is the following problem: Let a circular layer be bounded by concentric circles with radii R_1 and R_2 . On a circle with radius δ are n holes symmetrically distributed, all having equal outflow and equal radii r . Let p_1 and p_2 be the boundary pressure along the circles R_1 and R_2 , respectively, and let $p_c = \text{const.}$ be the pressure on the boundary of the holes. To be determined is the pressure distribution p in the ring and the total outflow of the "battery" of holes. The solution of this problem leads to the solution of Laplace's equation with corresponding boundary conditions, and is given in the form of a series. The I. A. Charnyy method (Izv AN SSSR, OTN, 1955, 6) is used. No examples are given.

[Abstracter's note: Complete translation.]

Card 1/1

X

S/877/62/001/000/001/005
D201/D308

AUTHORS: Shirinov, K.F. and Tagiyev, F.A.

TITLE: The problem of transformation of design algorithm

SOURCE: Akademiya nauk Azerbaydzhanskoy SSR. Vychislitel'nyy tsentr. Trudy, v. 1, 1962, 13-16

TEXT: The authors consider the most general case of an operator system, the final row of which consists of operators (A_k) predicates and auxiliary symbols, which is transformed by means of a special operator called the transform-operator A_{tr} . The transform-operator controls automatically the proper operation of the system and transforms it in accordance with the content of predicates. The working of A_{tr} is illustrated by the example in which it is introduced into the row in order to control the conditions required for the operation of subsequent operators. The content of the transform-operator depends on the content of the row.

Card 1/1

Author: J. S. M. M. -

Editor: A. S. K. F.

On November 1961, Soviet Academy of Sciences announced a competition

for the best work in the field of spherical antenna theory.

ABSTRACT. The determination of the input impedance in the antenna theory has

been solved for an emitter in vacuum and therefore cannot be used for the analysis of an antenna situated in a dielectric medium which is important in the

radioelectronics. The problem of determining the input impedance of an antenna situated in a dielectric medium is reduced to the solution of a system of equations

of the boundary value problem for a spherical wave excited in the space

by an antenna situated in a dielectric medium of a given frequency and

Corr. 1/2

L 23058-65

ACCESSION NR AP4039609

... in an infinite homogeneous and isotropic medium of given magnetic permeability. The problem is solved by the method of separation of variables.

Y. S. Kondratenko and N. V. Zernov. **Electromagnetic Fields and Waves**. Sovjet equations.

Accessioned 18 Jan 1965

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

SEARCHED: 000

INDEXED: 000

Card 2 of 2

ACC NR: AR6020787

SOURCE CODE: UR/0044/66/000/002/V053/V054

AUTHOR: Shirinov, K. F.; Tagiyev, F. A.

TITLE: The transformation of a calculation algorithm and the accuracy of calculations

SOURCE: Ref. zh. Matem, Abs. 2V347

REF SOURCE: Tr. Vychisl. tsentra. AN AzerbSSR, v. 3, 1965, 17-19

TOPIC TAGS: algorithm, information processing, data processing, calculation

ABSTRACT: It is shown that in the case when the information is presented by multidigit numbers, the study of the accuracy reduces to the study of operations or, more exactly, pseudo-operations. The concept of normal and abnormal schemes consisting of a sequence of operators and predicates is introduced. The normality of the scheme may be re-established by transformation operators. An estimate is given for the normal scheme which allows conclusions concerning the expediency of a count of binary accuracy. [Translation of abstract] Bibliography of 2 titles. Yu. Bayskovskiy

SUB CODE: 12, 09

Card 1/1

UDC: 518.5:681.142

SHIRINOV, K.F.

Concerning one method for determining the productive capacity
of imperfect wells. Trudy Vych. tsentra AN Azerb. SSR
1:7-12 '62. (MIRA 15:11)
(Oil reservoir engineering)

SHIRINOV, N. M., Cand. Veter. Sci. (diss) "Helmino-fauna and
Helminths of Domestic Water Fowl in Azerbaydzhan SSR and Test of
Piperazidine Sulfate for "ganguleterakidoza," Moscow, 1961,
16 pp. (All-Union Inst. Helmintology) 200 copies (KL Supp 12-61,
281).

SHTRINOV, N.M., kand. veter. nauk; BALTADZHIYEV, O.M., nauchnyy sotrunik

Treating chickens with ascariasis. Veterinariia 41 no.6:63-64
Je '64. (MIRA 18:6)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy veterinarnyy
institut.

Доктор А.А. Смирнова

Type of ascariasis and radiotesting in chicken.
Vet. parasit. 42 No.5-65-61 May '65.

(MIRA 18:6)

1. Аспарасиоз у птицы. Диагностика и ветеринарный
исследование.

BUDAGOV, B.A.; SHIRINOV, N.Sh.

Landslide phenomena in the Atachay Basin. Izv. Akad. Nauk Azerb. SSR.
Ser. geol.-geog. nauk no. 1:99-113 '58. (MIEA 11:12)
(Atachay Valley--Landslides)

SHIRINOV, N.Sh.

Eolian forms of the Apsheron relief. Izv. AN Azerb. SSR. Ser. geol.-
geog. nauk no.3:103-114 '58. (MIRA 11:12)
(Apsheron Peninsula--Physical geography)

SHIRINOV, N.Sh.

Division of the Apsheron Peninsula into geomorphological sections.
Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.6:125-135 '58.
(MIRA 12:3)
(Apsheron Peninsula--Physical geography)

SHIRINOV, N.Sh.

Genesis of basins and valleys of the Apsheron Peninsula. Dokl. AN
Azerb. SSR 14 no.6:455-458 '58. (MIRA 11:7

1. Institut geografii AN AzerSSR. Predstavлено академиком AN AzerSSR
M.-A. Kashkayem.
(Apsheron Peninsula--Peninsula--Physical geography)

SHIRINOV, N.Sh.

Morphology and some problems of dynamics of modern shores in
the Apsheron Peninsula. Izv.AN Azert.SSR. Ser.geol.-geog.nauk
no.6:143-153 '59. (MIRA 15:4)
(Apsheron Peninsula--Coast changes)

SHIRINOV, N.Sh.

Quaternary development of the Apsheron relief [in Azerbaijani
with summary in Russian]. Izv. AN Azerb. SSR. Ser. geol.-geog.
nauk no.2:113-123 '59. (MIRA 12:8)
(Apsheron Peninsula--Geology, Structural)

BUDAGOV, B.A.; LILYENBERG, D.A.; SHIRINOV, N.Sh.

History of the development of hydrography waters in the southeastern
Caucasus. Izv. AN Azerb. SSR. Ser.-geol.-geog. nauk no.5:89-103 '59
(Caucasus--Rivers) (MIRA 13:3)

SHIRINOV, N. Sh., Cand Geog Sci -- (diss) "Geomorphology of the Apsheronskiy Peninsula." Baku, 1960. 20 pp; (Ministry of Higher Education USSR, Azerbaydzhan State Univ im S. M. Kirov); 100 copies; free; (KL, 17-60, 143)

SHIRINOV, N. Sh., LILLYENBERG, D.A.

Geomorphology of the Sumgait Valley and its development
during the Quaternary period [in Azerbaijani with summary
in Russian]. Dokl. AN Azerb. SSR 16 no.1:35-39 '60.

(MIRA 13:6)

(Sumgait Valley--Geology, Stratigraphic)

BUDAGOV, B.A.; LILYENBERG, D.A.; SHIRINOV, N.Sh.

History of the development of hydrography waters in the southeastern
Caucasus. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.1:123-129
'60. (MIRA 13:11)

(Caucasus--Rivers)

KERIMOV, Sh.B.; SHIRINOV, N.Sh.

Geomorphology of the southeastern foothills of the Lesser Caucasus;
interfluve of the Akera and the Gendelanchay. Uch.zap.AGU.
Geol.-geog.ser. no.3:69-78 '60. (MIRA 14:6)
(Caucasus--Physical geography)

SHIRINOV, N.Sh.

Geomorphology of alluvial fans of the Kura intermontane depression
and their connection with recent tectonic movements. Izv.AN Azerb.-
SSR. Ser.geol.-geog.nauk i nefti no.3:73-84 '61. (MIRA 15:1)
(Kura Valley--Alluvium)

SHIRINOV, N.Sh.

Sea terraces of the Apsheron Peninsula. Trudy Inst. geog.
AN Azerb. SSR 10:125-139 '61. (MIRA 14:12)
(Apsheron Peninsula--Terraces (Geology))

SHIRINOV, N.Sh.

Prospecting for buried oil structures by the method of
geomorphologic analysis of relief, as revealed by the studies
of the southern slope of the Kura Lowland. Izv. AN Azerb.
SSR Ser.geol.-geog.nauk nefti no.1:93-102 '62. (MIRA 15:5)
(Kura Lowalnd—Geomorphology)
(Kura Lowland—Petroleum geology)

LILYENBERG, D.A.; SHIRINOV, N.Sh.

Problems of the study of recent crustal movements. Izv.AN
Azerb.SSR.Ser.geol.-geog.nauk i nefti no.3:157-159 '62.
(MIRA 15:12)
(Earth-Surface)

MEKHTIYEV, N.N.; KHALILOV, A.I.; SHIRINOV, N.Sh.

Study of seashores. Izv.AN Azerb.SSR.Ser.geol.-geog.nauk 1
nefti no.4:145-147 '62. (MIRA 16:2)
(Seashore)

SHIRINOV, N.Sh.

Geomorphological characteristics of mud volcanoes in the
Apsheron Peninsula. Izv. AN Azerb. SSR Ser. geol.-geog.
nauk i nefti no.5:105-112 '62. (MIRA 16:6)

(Apsheron Peninsula—Mud volcanoes)

SHIRINOV, M. M. S. iin; DMITRIASHKO, N.V., red.

[Geomorphology of the Apsheron oil-bearing area]
Geomorfologiya Apsheronskoi neftenosnoi oblasti.
Baku, Izd-vo AN Azerbaidzhanskoi SSR, 1965. 187 p.
(MIRA 18:6)

SHIRINOV, N.Sh.; MEKHTIYEV, N.N.

Geomorphologic regionalization of the Caspian Sea coast of
Azerbaijan. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk
no.4:95-102 '64. (MIRA 17:12)

BUDENOV, Buzag Abulali; SHIRINOV, N.Sh., red.

[Recent and ancient glaciation in the Azerbaijan part
of the Greater Caucasus] Azerbajchanyn Bojuk Gafgaz
hissesinin muasir ve gedim bىzlashmalary. Bady, Azerbajchan
SSR Elmber Akademijasy neshrijaty, 1965. 157 p. [In
Azerbaijanil] (MIRA 18:11)

SHIRINOV, N.Sh.

Quantity and age of peneplaines in the eastern Caucasus.
Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no. 3:125-132 '65.
(MIRA 18:9)

SHIRINOV, Sh.G.; TSEYTLIN, I.M.; BAGDASAROVA, E.V.

Relationship between oil recovery and density of well spacing.
Azerb.neft.khoz. 41 no.3:8-10 Mr '62. (MIFI 15:8)
(Apsheron Peninsula—Oil fields—Production methods)

5 1190

24449

S/081/61/000/006/015/015
B101/B201

AUTHORS: Zul'fugarov, Z. G., Zul'fugarova, L. Sh., Muradova, S. A., Shirinova, E. B., Agdamskiy, T. A., Aliyev, A. S.

TITLE: Study of the activity of chromium aluminum magnesium silicate catalysts in the polymerization reaction of ethylene to polyethylene

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1961, 711-712, abstract 6P87 (6R87) ("Azerb. khim. zh.", 1960, no. 2, 107-115)

TEXT: A study has been made of new types of chromium aluminum magnesium silicate catalysts (Cat) in the polymerization of ethylene to polyethylene, and of the activity of Cat as dependent upon the method of their introduction into the chromium oxide. The activity of Cat has been shown essentially to depend on the method of synthesis, the chemical composition of the carriers having no appreciable effect upon such activity. The optimum ratio of Cr⁶⁺ and Cr³⁺ oxides in the chromium metasilicate catalysts concerned has been found to be 40-55 : 45-60; the maximum polymer yield per

Card 1/2

Study of the activity of chromium...

S/081/61/000/006/015/015
B101/B201

g of Cat has been 92 and 114 g, respectively. No relationship has been observed between the catalytic activity of Cat and their thermograms, their porosity, specific pore volume, and apparent density. All the polymers obtained have been found to have a highly crystalline structure. The authors assumed the active part of chromium catalysts to consist of salts of chromous acid or acid salts of chromic acid. [Abstracter's note: Complete translation.]

Card 2/2

SHALAMOV, I.S.; SHALAMOV, S.B.; MURADOV, S.A.; AGDAMZADE, T.A.
ZULFIKAROV, Z.Z.

Effect of the initial composition of iron carrier and re-ester
on the activity of chromium oxide catalysts. Azerb.khim.zhur.
no.4, 85-91 '61. (MIRA 14:11)

(Polymerization)
(Catalysts)

ZUL'FUCAROV, Z.G.; RASULOVA, S.M.; SHIRIMNOVA, E.B.

Cracking capacities of catalysts prepared from gilyabi (bentonites)
of Azerbaijan. Trudy Inst.khim. AN Azerb.SSR 18:5-23 '60.
(MIRA 14:9)
(Azerbaijan--Gilyabi) (Catalysts)

ZUL'FUGAROVA, L.Sh.; MURADOVA, S.A.; SHIRINOVA, E.B.; AGDAMSKIY, T.A.;
SMIRNOVA, V.Ye.; VEZIROVA, V.R.; ZUL'FUGAROV, Z.G.

Effect of the conditions of polymerization and of the porous
structure on the activity of chromium-aluminum-magnesium
silicate catalysts. Azerb.khim.zhur. no.5:87-90 '61.
(MIRA 15:5)

(Polymerization) (Porosity) (Catalysts)

SHIRINOVA, T.G.

Dermal defects in a newborn infant born to a mother suffering
from a latent form of toxoplasmosis. Azerb. med. zhur. 41
no.3:74-76 Mr '64. (MIRA 17:10)

SHIRINSKAYA, A.I.

Effect of penicillin on certain protective functions of the organism. Report No.2: Effect of penicillin on blood proteins and allergic reactions in experimental animals. Antibiotiki 4 no.1:56-59 Ja-F '59. (MIRA 12:5)

1. Kafedra mikrobiologii (zav. - prof. S.M.Vyaseleva) Kazanskogo gosudarstvennogo instituta usovershenstvovaniya vrachey imeni V.I.Lenina.

(PENICILLIN, eff.
on blood proteins (Rus))
(BLOOD PROTEINS, eff. of drugs,
penicillin (Rus))

SHIFFIN, L.Y.

Angular distribution of the intensity of gamma rays scattered
in lead and water. Atom. energ. 19 no.4:394-395 O '65.
(MIRA 18:11)

S/081/61/000/014/009/030
B106/B110

AUTHORS: Shirinskaya, L. P., Yermolenko, N. F.

TITLE: Effect of conditions of treatment of aluminum oxide on its adsorption activity

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 14, 1961, 93, abstract 146651. (Sb. nauchn. rabot. Inst. obshch. i neorgan. khimii AN BSSR, no. 1, 1960, 171 - 180)

TEXT: The authors studied the adsorption of benzoic acid (I), o-, m-, and p-nitro-benzoic acids, o- and p-aminobenzoic acids, o-hydroxy benzoic acid (II), and o-sulfobenzoic acid from aqueous solutions to Al_2O_3 and samples ✓ of Al_2O_3 treated with water, 0.01 N sulfuric acid, and 0.01 N lye. The adsorption isotherms agree well with Freundlich and Langmuir's equations, which suggests the physical character of the adsorption. Acid II was adsorbed to the lowest extent. In the other acids, adsorption grew with increasing electronegativity of the substituents on acid I: $\text{OH} < \text{SO}_3\text{H} < \text{COOH}$

Card 1/2

S/081/61/000/014/009/030

Effect of conditions of treatment of ... B106/B110

<NO₂ <NH₂. Preliminary treatment of Al₂O₃ mostly leads to a weaker adsorption of acids. On the basis of results obtained, the authors discuss the mechanism and the dependence of the adsorption on the nature of the adsorbent and on the type of substituent on the molecule of acid I.

[Abstracter's note: Complete translation.]

Card 2/2

YERMOLENKO, N.F.; SHIRINSKAYA, L.P.

Cation exchange of heterovalent cations on clays. Izv.vys.ucheb.
zav.;khim.i khim.tekh. 5 no.3:468-473 '62. (MIRA 15:7)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina,
kafedra neorganicheskoy khimii.
(Ion exchange)
(Clay)

S/250/62/006/003/003/004
1001/I201

AUTHOR: Levina, S. A., Shirinskaya, L. P., Zaretskiy, M. V. and Yermolenko, N. F.

TITLE: Structure and adsorption properties of CaA-zeolites having cation exchanged forms

PERIODICAL: Akademiya nauk Belaruskay SSR, Doklady, v. 6, no. 3, 1962, 164-167

TEXT: The work was carried to study the properties of native zeolites. Samples of zeolite CaA 202-291, from the Gorkiy base of VNIINP were dried for several hours and then ground and sifted through a screen ($d = 0.25\text{--}0.1$ mm). Portions of 0.5 g of the zeolite were shaken for an hour at 20°C with a solution of the corresponding nitrate or chloride salts and left for 48 hrs. The amounts of displaced Ca were determined by the oxalate method or complexometrically. The following zeolites were prepared by cation exchange: Na(Ca), Li(Ca), K(Ca), Zn(Ca), Mg(Ca), Ni(Ca), Sr(Ca), Cd(Ca), Pb(Ca), Ba(Ca), Bi(Ca) NH₄(Ca), Co(Ca), Rb(Ca). An X-ray tube BCB-4 (BSV-4) was used with an iron anticathode to determine the structure of the samples. The roentgenograms were taken by the Debye method in a high resolving power camera BPC-3 (VRS-3). β -radiation was not filtered. The adsorption capacity of the samples with respect to water and methyl-alcohol was determined by means of a quartz spring balance, in vacuo.

The authors conclude: (1) No complete exchange occurs under the given conditions. (2) CaA-zeolites as well as their substituted forms have a simple cubic lattice structure of the type Linde 4A. (3) Changes in the

Card 1/2

Structure and...

S/250/62/006/003/003/004
1001/1201

period of the lattice are established with the exchange of Ca for other ions. (4) A partial destruction of the crystal lattice occurred in some cation-exchange of zeolites Ca A. (5) Adsorption capacity can be increased by a partial substitution of Ca-ions in zeolites 5A for Li, Mg and Na ions.

The most important English-language references are: R. M. Barrer, Proc. Chem. Soc., April 1958, 99-112; R. M. Barrer, W. M. Meier, Trans. Faraday Soc., 54, 7, 1958, 1074; R. M. Milton, Pat. U.S.A. 2882244, 14/04, 1959; J. H. Estes, Pat. U.S.A. 2847280, 12/05, 1958. There is 1 table.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN BSSR (Institute of General and Inorganic Chemistry, AS BSSR).

SUBMITTED: December 11, 1961

Card 2/2

SHIRINSKAYA, A. F.

128

PHASE I BOOK EXPLOITATION

SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniye, issledovaniye i primeneniye
(Synthetic Zeolites: Production, Investigation, and Use). Mos-
cow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady)
Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniya khimicheskikh
nauk. Komisiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor
of Chemical Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P.
Golub'.

PURPOSE: This book is intended for scientists and engineers engaged
in the production of synthetic zeolites (molecular sieves), and
for chemists in general.

Card 1/2 3

Synthetic Zeolites: (Cont.)

SOV/6246

COVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad 16 through 19 March 1961 at the Leningrad Technological Institute imeni Lensoveta, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

TABLE OF CONTENTS:

Foreword	3
Dubinin, M. M. Introduction	5

Card 2/~~2~~ 3

Synthetic Zeolites: (Cont.)

SOV/6246

Tsitsishvili, G. V., and G. D. Bagratishvili. IR Spectra of Water and Heavy Water Adsorbed on Zeolites	38
Shirinskaya, L. P., and N. F. Yermolenko. Applicability of the General Laws of Ion Exchange to Exchange on Synthetic Zeolite CaA	41
Neymark, I. Ye., A. I. Rastrenenko, V. P. Fedorovskaya, and A. S. Plachinda. Variation of Adsorption Properties of Zeolites as a Function of the Degree of Sodium-Ion Sub- stitution by Other Cations	46
Neymark, I. Ye., M. A. Piontkovskaya, A. Ye. Lukash, and R. S. Tyutyunnik. Variation of the Selective Capacity of Synthetic Zeolites	49
Lulova, N. I., L. I. Piguzova, A. I. Tarasov, and A. K. Fedosova. Investigation of Synthetic Zeolites With the Aid of Gas Chromatography	59

Card 442 2/9

Selectivity of exchange on an...

S/076/62/036/011/007/021
B101/B180

0.09 for Li⁺. (+) K falls considerably with increasing electrolyte concentration, for Rb⁺, K⁺, and NH₄⁺, but shows little change for Li⁺. Na can therefore be used for separating alkali cations from their mixtures. There are 3 figures and 1 table. The most important English-language reference is: R. M. Barrer a. D. A. Langley, J. Chem. Soc., nov., 3804, 1958.

ASSOCIATION: Akademiya nauk BSSR, Institut obshchey i neorganicheskoy khimii (Academy of Sciences BSSR, Institute of General and Inorganic Chemistry)

SUBMITTED: July 1, 1961

Card 2/2

YERMOLENKO, N.F.; SHIRINSKAYA, L.P.; ZARETSKIY, M.V.

Cation exchange reactions of alkaline earth metals on NaA type synthetic zeolite. Vestsi AN BSSR. Ser. Fiz.-tekh. nav. no.2:111-114 '63.

YERMIENKO, N.F.; SHIRINSKAYA, L.P.; ULASIK, T.G.

Preparation of NH₄- and H-forms of zeolites and study of their
sorption properties. Dokl. AN BSSR 9 no.12:807-812 D '65.
(MIRA 19:1)

1. Institut obshchey i neorganicheskoy khimii AN BSSR.

SVAROVSKAYA, N. A.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
PETROVA, N. A.	"Goat's Milk"	Ministry of Health Uzbek SSR
MALEKHOV, G. N.		
SVAROVSKAYA, N. S.		
S. SVAROVSKAYA, N. A.		

SO: W-30604, 7 July 1954

DYSENTERY

"The Complex Diagnostics of Dysentery in Children", by M.N. Peksheva and M.A. Shirinskaya, Za Sotsial'noye Zdravookhraneniye Uzbekistana, 1956, 3, pp 63-64 (from Meditinskiy Referativnyy Zhurnal, Section 4, No 1, 1957.)

The authors report on a study of the clinical multiformity of dysentery; their diagnosis was bacteriologically confirmed in 32.3% of all dysenteric cases. It is claimed that the reaction of a precipitation with haptene is unsatisfactory because this reaction produces contradictory results and, therefore, confuses even obvious dysenteric cases.

Card 1/1

- 33 -

SHIRINSKAYA-SABITOVA, D.I., vrach

Changes in the neuroreceptive apparatus of the eyelid conjunctiva
in various stages of trachoma. Kaz.med.zhur. 40 no.1:62-66
Ja-F '59. (MIREA 12:10)

1. Iz kafedra gistologii (zav. - prof.A.N.Mislavskiy) Kazanskogo
meditsinskogo instituta i glaznykh bolezney (zav. - prof.A.N.
Kruglov) Kazanskogo gosudarstvennogo instituta dlya usover-
shenstvovaniya vrachey.
(CONJUNCTIVITIS, GRANULAR) (EYELIDS--INNERVATION)

ACC NR: AP6021713

SCURCE CODE: UR/0130/66/000/003/0027/0028

AUTHOR: Monid, A. G.; Benyakovskiy, M. A.; Smolyarenko, D. A.; Sivtsov, G. V.; Tkachenko, E. V.; D'yakonova, V. S.; Popov, P. I.; Pakudin, V. P.; Shirinskaya, S. A.; Sosipatrov, V. T.

ORG: none

TITLE: Production testing of 08Yu cold rolled low carbon steel

SOURCE: Metallurg, no. 3, 1966, 27-28

TOPIC TAGS: low carbon steel, deoxidation, cold rolling, quality control / 08Yu steel

ABSTRACT: Production testing was carried out on nonaging 08Yu steel sheets at the Cherepovetsky Metallurgical Plant and the results were compared to the norms set by GOST 9045-59. Melting was carried out in single-grooved Martens furnaces of average capacity; deoxidation by ferromanganese was done in steps--50% in the furnace and 50% in the ladle; Al was also introduced in the ladle in quantities of 100-150 g/T of steel while full deoxidation was accomplished by the addition of Al pellets in quantities of 900-1000 g/T. The chemical composition of 08Yu steel compared favorably with the standards set by GOST 9045-59 (experimentally--C=0.04-0.08%, Si=0.01%, Mn=0.32--0.38%, S=0.009-0.016%, P=0.01-0.015%, Cr=0.01-0.03%, Ni=0.03-0.07%, Cu=0.02-0.07% and Al=0.02-0.05%). Ingots weighing 14T were hot rolled in 15-18 passes into slabs of

UTC: 621.771.24

Card 1/2

ACC NR: AP6021713

3

135-140 mm thickness and 1070-1430 mm width on a 1150 bloom. These slabs were next cold rolled to a maximum of 68% reduction into sheets of 2.5-3.5 mm thickness and 1040-1430 mm width. Annealing was done at 550°C for 10 hrs at a heating rate of 15°/hr and cooling was at 6°/hr. The final operation was a finishing pass at 1.0-1.3% reduction. Tests made on the sheets after aging at 200°C for 30 min substantiated that the steel was nonaging. The sheets performed well in stamping tests which were run under the stamping conditions used at the Gor'ky Automotive Plant. Orig. art. has: 1 table.

SUB CODE: 11,14/ SUBM DATE: none

Card 2/2 S

SHIRINSKIY,A., kandidat tekhnicheskikh nauk

Characteristics of servicing the lubrication system of truck
engines used in pulling trailers. Avt.transp.33 no.6:18-19
Je '55. (MIRA 8:10)

(Motor trucks--Lubrication)

SHIRINSKIY, A., kandidat tekhnicheskikh nauk.

Investigation of the performance of automobile systems under
operating conditions. Avt. transp. 34 no.10:9-12 O '56.

(MLRA 9:12)

(Automobiles--Maintenance)

SHIRINSKIY, A., kandidat tekhnicheskikh nauk.

Characteristics of maintenance for the electric equipment of truck
tractors. Avt.transp. 35 no.1:14-15 Ja '57. (MLRA 10:3)
(Tractors--Electric equipment)

SHIRINSKIY, A., kand.tekhn.nauk

Reasons for periodical oil changes in transmission units of motor vehicles. Avt.transp. 39 no.9:18-21 S '61. (MIRA 14:10)
(Motor vehicles--Lubrication)

SHIRINSKIY, A. V.

Dva proekta rekonstrukcii Moskovskogo zheleznodorozhnogo uzla. [Two projects of reconstruction of Moscow railroad junction]. (Sots, transport, 1933, no. 11-12, p. 47-66, illustration, maps).

DLC: HE7.S6

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

SHIRINSKIY, A. V., Engineer Can. Tech. Sci.

Dissertation: "Influence of Relative Location of Receiving Departive Tracks
and Equipping Devices on the Turnover of Locomotives."

24 Nov. 49

Moscow Order of the Labor Red Banner Electromechanical Inst. of Railroad
Engineers

imeni F. E. Dzerzhinskij

SO Vecheryaya Moskva
Sum 71

ИРПИНОВ, Ye.A.; SAPKO, V.N.; GREBENYUK, V.P.; PIORO, E.Ch.; SHCHASTNYY,
P.M.; KSENZUK, F.A.; SHIRINSKIY, D.I.; TOLSTYKH, V.I.

Rapid top pouring of rimmed steel into ribbed ingot molds. Metal-
lurg 8 no.11:17-19 N '63. (MIRA 16:12)

SHIRINSKIY, I., prof.

Total and final victory of socialism in the U.S.S.R. Komm. Vooruzh.
Sil 46 no.5:83-86 Mr '65. (MIRA 18:4)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520011-3

.....

Law on the planned (reportorial) development of the national economy; public
lecture. Moscow, March, 1955.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520011-3"

SHIRINSKIY, Ivan Dmitriyevich; PROKOP'YEV, S.P., red.

[Planned proportional development of the national economy as the economic law of socialism] Planomernoe, proporsional'noe razvitiye narodnogo khozianstva - ekonomicheskii zakon sotsializma. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1959. 54 p.

(MIRA 13:5)

(Russia--Economic policy)

KOZLOV, Genrikh Abramovich, prof.; SHIRINSKIY, Ivan Dmitriyevich,
dotsent; KONAKOV, Dmitriy Maksimovich, prof.; MOROZOV,
Aleksandr Vasil'yevich, dotsent; BELYAYEVA, Zoya Nikolayevna,
kand.ekonom.nauk; KOHYAGIN, A.G., red.; PROKOF'YEV, S.P.,
red.; NAUMOV, K.M., tekhn.red.

[Capitalist methods of production] Kapitalisticheskiy sposob
proizvodstva. Moskva, Izd-vo VPSh i AON pri TsK KPSS. Pt.1.
1959. 237 p. (MIRA 12:6)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola. Kafedra politicheskoy ekonomii.
(Economics) (Capitalism)

TOKMALAEV, S.P., dotsent [deceased]; KUZHELEV, N.S., dotsent; OSTROVI-
TYANOV, K.V., akademik; ALEKSEYEV, A.M., dotsent; KUDROV, V.M.;
LEONT'IEV, L.A. Prinimali uchastiye: BELYAYEVA, Z.N., kand.ekon.
nauk; MRACHKOVSKAYA, I.M., kand.ekonom.nauk; RYNDINA, M.N..
kand.ekonom.nauk; SHIRINSKIY, I.D., kand.ekonom.nauk, red.;
YUMASHEV, A.I., kand.ekonom.nauk; PROKOP'IEV, S.P., red.; NAUMOV,
K.M., tekhn.red.

[Capitalist production method] Kapitalisticheskii sposob pro-
izvodstva. Moskva. Pt.2. 1960. 357 p. (MIRA 13:10)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola. 2. Chlen-korrespondent Akademii nauk SSSR (for
Leont'ev).

(Economics)

VASHENTSEVA, V.M.; VOLKOV, M.I.; ZHAMIN, V.A.; ZHUKOV, F.G.; CHUBUK, I.F.;
KAPUSTIN, Ye.I.; KOZLOVA, N.G.; KOROCHKIN, V.V.; KUL'KOV, A.V.;
MARINKO, I.L.; MOLCHANOV, B.M.; ROMANOV, B.V.; FEDOROV, V.I.;
SHIRINSKIY, I.D.; GRINGAUZ, A., red.; SHLYK, M., tekhn. red.

[How to study the economics of socialism] Kak izuchat' politicheskuju ekonomiku sotsializma; posobie dlja rukovoditelei seminarov sistemy partiinogo prosveshcheniya. Moskva, Mosk. rabochii, 1961.
(MIRA 14:8)
239 p.

1. Dom politicheskogo prosveshcheniya, Moscow.
(Economics—Study and teaching)

VOLKOV, M.I., dots.; LOPATKIN, V.G., dots.; KOZLOV, G.A., prof.;
SHIRINSKIY, I.D.; VORONINA, N.V., red.; NAUMOV, K.M., tekhn.
red.

[Socialist means of production] Sotsialisticheskii sposob pro-
izvodstva. Moskva, Izd-vo VPSH i AON pri TsK KPSS. No.2. [So-
cialist production and distribution] Sotsialisticheskoe proiz-
vodstvo i raspredelenie. 1962. 431 p. (MIRA 15:12)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola. Kafedra politicheskoy ekonomii. 2. Kafedra
politicheskoy ekonomii Vysshey partiynoy shkoly pri TSentral'-
nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for-
Volkov, Lopatkin, Kozlov, Shirinskiy).
(Economics)

SHIRINSKIY, M.

Regeneration of salt brine with the aid of sodium fluosilicate.
(MIRA 7:11)
Mias. ind. SSSR. 25 no.5:36 '54.

1. Tashkentskiy myasokombinat.
(Salt) (Sodium fluosilicate)

USSR/ Farm Animals. Small Horned Stock.

Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40462.

Author : Shirinskiy, M. A.

Inst : Not given.

Title : Karakul Breeding in Kazakhstan.

Orig Pub: Karakulevodtsvo i zverovodstvo, 1957, No 5,
46-50.

Abstract: No abstract.

Card 1/1

37

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001549520011-3

Welding head for fastening sheet panels. Metallurg 9 no.4:39
(MERA 17:9)
Ap '64.

1. Novolipetskiy metallurgicheskiy zavod.

SAKANYAN, S.Sh.; SHIRINYAN, A.A.

Effect of fever on phagocytosis. Izv.AN Arm.SSR.Biol.i sel'khoz.
(MLRA 9:8)
nauki 8 no.2:87-97 F '55.

1. Kafedra klinicheskoy diagnostiki Yerevanskogo zooveterinarnogo
instituta.
(FEVER) (PHAGOCYTOSIS)

SAKANYAN, S.Sh.; SHIRINYAN, A.A.; SAFRAZBEKYAN, V.M.

Effect of benzene hexachloride on the absorption intensity and
tone of the intestinal loop. Izv. AN Arm. SSR. Biol. nauki 13
no. 7:3-10 Jl '60. (MIRA 13:10)

1. Kafedra farmakologii Yerevanskogo zooveterinarnogo instituta.
(BENZENE HEXACHLORIDE) (INTESTINES) (ABSORPTION (PHYSIOLOGY))

SHIRINYAN, E.A.

At the Oktemberyan Canning Factory. Kons. 1 ov. prom. 16
(MIRA 14:11)
no.10:11 0 '61.

1. Sovnarkhoz Armyanskoy SSR.
(Oktemberyan--Canning industry)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520011-3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520011-3"

15-57-1-314

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
pp 44-45 (USSR)

AUTHORS: Shirinyan, K. G., Aslanyan, A. T.

TITLE: Fully Columnar Jointing of the Surface Volcanic Tuffs
in Armenia, and its Relation to the Origin of These
Tuffs (Makarashen-Gaydarli Location) [Sovershennaya
stolbchataya otdel'nost' v pokrovakh vulkanicheskikh
tufov Armenii v svyazi s ikh proiskhozhdeniyem]
(Makarashen-Gaydarlinskoye mestorozhdeniye)]

PERIODICAL: Sb. nauch. tr. Yerevansk. politekhn. in-ta, 1956,
Nr 13, pp 19-32

ABSTRACT: Exposures of columnar tuffs in the Kirovakan
region are located in the canyons of the Alavar and
Baydak Rivers near the village of Makarashen and
Gaydarli. The tuff formation is elongated from the
north to the south, has the length of 1.5 km and the

Card 1/3

15-57-1-314

Fully Columnar Jointing (Cont.)

width up to 150 m. The maximum thickness of the formation is 12 m. The authors believe that originally the tuffaceous formation was continuous and that it was later cut into two parts by the river. Tuffaceous material filled the deepest part of the former river canyon. The tuffs represent a typical pyroclastic rock consisting of volcanic glass fragments, minerals and ancient rocks. In their mineral composition the tuffs contain feldspars, pyroxenes and magnetite; the structure of the rocks is vitroclastic. In their chemical composition (by percent) they belong to the group of dacites: SiO_2 62.58, TiO_2 0.80, Al_2O_3 17.40, Fe_2O_3 1.80, FeO 2.75, MnO 0.17, MgO 1.57, CaO 3.32, Na_2O 4.12, K_2O 4.14, others 1.88, total 100.43. The majority of the columns in this locality are vertical, but there are also some inclined, some fan-shaped and some arched prisms. The diagonals of the prisms range from 0.2 m to 0.5 m and more. The deviations of the columns from the vertical always occur in the peripheral parts of the formations. It has been determined that the columnar structure was developed wherever

Card 2/3

Fully Columnar Jointing (Cont.)

15-57-1-314

volcanic products were deposited in the river, which is to say that the aqueous medium represents a necessary condition for the development of the columnar structure. Slow cooling of the material represents the second necessary condition. Conditions favorable to uniform cooling were produced within the closed system undergoing a slow lowering of its temperature. The hypothesis pertaining to the formation of columnar tuffs in this region within a closed aqueous medium was further substantiated by the absence of any red oxides at the top of the tuffs. These tuffs originated in independent centers of extrusion forming several small cones distributed to the southwest from the village of Gaydarli. But even if the extrusion did not originate in these centers, they still must have come from a single fault zone.

3/3

S. P. B.

LEYYE, Ya.B.; SHIRINYAN, K.G.

Lake deposits and neovolcanic products in Aginskij District.
Trudy Arm. geol.upr. no.1:125-132 '57. (MIRA 12:1)
(Aginskij District--Sediments (Geology))

SHIRINYAN, K.G.

The nature of "banded lava" in Kipchagskiy ravine in the Armenian S.S.R.
Izv. AN Arm.SSR.Ser.geol.i geog.nauk 10 no.2:3-10 '57. (MIRA 10:10)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.
(Arich (Armenia)--Rocks)

SHIRINYAN K.G.

New data on centers of eruptions of Quaternary tuffs and tuffaceous lavas in Armenia. Dokl. AN Arm. SSR 24 no.2:85-90 '57.
(MIRA 10:4)

1. Institut geologicheskikh nauk Akademii nauk Armyanskoy SSR.
(Armenia--Volcanic ash, Tuff, etc)

SHIRINYAN, K. G.

Structure and genesis of Armenian tuff and tuff-lava formation.
Izv. AN Arm. SSR. Ser. geol. i geog. nauk 11 no.1:25-34 '58.
(MIRA 11:7)

1. Institut geologicheskikh nauk AN ArmSSR.
(Armenia--Volcanic ash, tuff, etc.)

SHIRINYAN, K.G.; ABOVYAN, S.B.

Pyroxenite debris found in lavas occurring in the gorge of the
Arpa-Chay River and its geological significance. Dokl. AN Arm.
SSR 26 no.1:47-51 '58. (MIRA 11:5)

1.Institut geologicheskikh nauk Akademii nauk Armyanskoy SSR.
Predstavleno I.G. Magak'yanom.
(Arpa-Chay Valley--Pyroxenite)

SHIRJYAN, H.G.

Some characteristics in the development of posttumulus volcanism
in Armenia. [sp. Arm. et l. Vn. n. in. Ob-na no. 1:00-36 3759.
(Armenia--Volcanoes)]

SHIRINYAN, K.G.

Volcanic tuffs and tuff lavas of Armenia.

Paper presented at the 12th General Assembly of the IUGG
Helsinki, Finland July 1960

SHIKHNYAN, Konstantin Grigor'yevich; KARAPETYAN, K.I., otv. red.;
SHTIBEN, R.A., red. izd-va; SARKISYAN, G.S., tekhn. red.

[Volcanic tuffs and tuff-lavas in Armenia] Vulkanicheskie
tufy i tufolavy Armenii. Erevan, Izd-vo AN Armianskoi SSR,
1961. 159 p. (MIRA 15:1)
(Armenia--Volcanic ash, tuff, etc.)

SARIRINYAN, K.G.

Ignimbrites and tuff lavas; principles of classification and conditions of formation as exemplified by Armenia. Trudy Iat. vulk. no.20:47-58 '61. (MIRA 14:11)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.
(Armenia—Volcanic ash, tuff, etc.)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520011-3

APPENDIX A

2. The following table shows the estimated number of individuals in each age group in the United States population in 1950.

3. The following table shows the estimated number of individuals in each age group in the United States population in 1950.

(Continued on page 10)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520011-3"

SHIRINYAN, K.G.

International symposium on ignimbrites and hyaloclastite in Italy.
Izv. AN Arm. SSR. Geol.i geog. nauki 15 no.2:75-84 '62. (MIRA 15:5)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.
(Ignimbrites) (Minerals)

ABOVYAN, S.B.; BAGDASARYAN, G.P.; KAZARYAN, G.A.; KARAPETYAN, K.I.;
MALKHASIAN, E.G.; MELIKSETYAN, B.M.; MNATSAKANYAN, A.Kh.;
CHIBUKHCHIAN, Z.O.; SHIRINYAN, K.G.; MELKONYAN, R.L., otv.
red.; CHAKHALYAN, TS., tekhn. red.; NUNYAN, S., tekhn. red.

[Chemical composition of igneous and metamorphic rocks in the
Armenian S.S.R.] Khimicheskie sostavy izverzhennykh i metamor-
ficheskikh gornykh porod Armianskoi SSR. [By] S.B. Abovian i dr.
Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 433 p.

(MIRA 16:2)

1. Akademiya nauk Armyanskoy SSR, Erevan. Institut geologiche-
skikh nauk.

(Armenia--Rocks, Igneous--Analysis)

(Armenia--Rocks, Crystalline and metamorphic--Analysis)